Original/Duplicate/Triplicate
CONTRACT CERTIFICATE

(For Other Works)

Bill Type. *1st and Part Bill*

Date...../...../2020

Division: **BBMP, Byatarayanapura** Sub-Division: **BBMP, Byatarayanapura**

Bill Received No. Dated Divisional / Sub Divisional

Cash Book Voucher No..... Dated.....

Work Code:- **006-19-000027,**

Schedule Docket No. Head of Account : **P3111** Est.Cost: **98.00 Lakhs** D.R.No. :

Name of Work (As per sanctioned Estimate) : **Providing And Laying 400-500mm RCC Sewage Pipeline From MS Ramaiah North City Gate to Manjunatha Kalyana mantapa along SWD Coming Under ward No 6 (Thanisandra), Byatarayanpura sub Division**

Name of Contractor and Full Address : **D R Infrastructure Sri . Dilip TS, Door no:115/A,opp to UAS Layout,1st Main Road,RMV,2nd stage , Bangalore-94**

Reference to Agreement No. **BBMP/EE/BTP/ WO / 33 / 2019-20** Date: **01-07-2019**

Certified that the measurements were taken by me on 22/01/2020 and abstract recorded of Pages. 355431-46 of measurement Book No. 3555/17-18 and that the work is satisfactorily executed.

Contractor **Officer-in-charge of work**

Certified that the measurement were taken by me on 22/01/2020 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

II Memorandum of Payment

		Amount
1)	Total value of work done or supplies made as per account within	1st & Part 9470000=00
2)	Deduct amount to be held in reserve being .....percent Rs.....	IT 94700=00
3)	" Balance	LWF 9400=00
4)	Deduct Payment:	CBF 9470=00
a)	Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... adjusted towards cash advance recovery of	GST 84554=00
b)	Payments Now made } cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.	SGST 84554=00
5)	Balance being unpaid value of work done held in reserve.	Royalty 40390=00
6)	Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.	T.D 408368=00
7)	Net amount due to or from Contractor unadjustments items.	Net 9061632=00
8)	Advance to Contractor for materials brought to site (as detailed) within.	
9)	Value of Government materials supplied.	
	Total amount adjusted -	

Contractor's Signature

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum (in final settlement of all demands)

(For use in the Office)

Witness

1.

2.

Dated Signature of Contractor

Stamp

Paid by me by Cheque No.....Dated.....

Cash Rs.....

Dated.....

Initials of Officer making payment

ಲಭ್ಯತೆಯಿದೆ - P-3111 ರಡಿ
ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ. 9470000=00 ಗಳನ್ನು ಪಾವತಿ ಮಾಡಿದೆ.
ಇದರಲ್ಲಿ ರೂ. 408368=00 ಗಳನ್ನು ಹೊಂದಾಣಿಕೆ
ಮಾಡಿಕೊಂಡು ರೂ. 9061632=00 ಗಳನ್ನು

FT/RTGS ಮುಖಾಂತರ ಪಾವತಿಗೆ

Executive Engineer

ಲೆಕ್ಕಾಧಿಕಾರಿ 21/05/20 ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ
ಬೃಬೆಮಪಾ, ಬೆಂಗಳೂರು ಬೃಬೆಮಪಾ, ಬೆಂಗಳೂರು

BRUHAT BANGALORE MAHANAGARA PALIKE

Yelahanka Zone , Bytarayanapura Division

Job Code:- 006-19-000027 P 3111 State Finance Commission United Grant Works

Estimated Cost :- Rs. 98.00 Lakhs

Name of Agency:- D.R Infrastructure, Sri Dilip T.S, Door No 115/A, Opp to UAS Layout, 1st Main Road,

Bill No :- 1ST AND FINAL BILL

Sl. No.	Discriprtion of Items	Unit	Previous measurement		Present Measurement			Total Upto Date	
			Qty	Amount	Qty	Rate	Amount	Qty	Amount
1	EXCAVATION FOR PIPE LINE TRENCHES OF REQUIRED WIDTH by mechanical / & manual means including dressing sides, ramming of bottoms, providing barricading, danger lighting, shoring, strutting, dewatering, etc. IN ALL KINDS OF SOIL MIXED WITH BOULDERS of 30 cms size, etc. for: Pipes of all dia. for depth upto 2.0 M in all types of soils Note : If any shoring and strutting, will be paid separately as per the direction of the Engineer incharge of the work with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work	Cum		-	2,705.40	350.00	9,46,890.00	2,705.40	9,46,890.00
2	for: Pipes of all dia. for depth 2.0 to 4.0 M in all types of soils Note : If any shoring and strutting, will be paid separately as per the direction of the Engineer incharge of the work with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work	Cum	-	-	1,284.14	250.00	3,21,035.00	1,284.14	3,21,035.00
3	Extra charges for excavation in all classifications in watery situations or foul conditions may be paid duly obtaining approval from the Chief Engineer as under towards DEWATERING with recuperation upto two meter depth and thereof for: Excavated depth upto 2m as per the direction of the Engineer incharge of the work with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work	Cum	-	-	2,251.32	25.00	56,283.00	2,251.32	56,283.00
4	Excavated depth 2 to 4 m as per the direction of the Engineer incharge of the work with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work	Cum	-	-	1,155.56	25.00	28,889.00	1,155.56	28,889.00
5	Excavation of Hard Rock by diamond rope cutting method. Using machinery like generator (electric), Hitachi (Hydraulic excavator), breaker, compressor and diamond rope with MS Rods etc, complete as per specifications and directions of the Engineer In Charge.as per the direction of the Engineer incharge of the work with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work	Cum	-	-	90.00	500.00	45,000.00	90.00	45,000.00
6	Refilling of available earth around pipelines, in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering all lead and lift including cost of all labour including consolidation by mechanical means approved by Engineer in charge, when earth is at suitable moisture content with desired field density upto 95% maximum dry density (modified heavy proctor test) for restoration of roads without settlement including HOM of machineries, complete. (The contractor shall take care while consolidating the earth, so that, pipes laid are not damaged due to mechanical compaction and shall restore the damaged pipes at his own cost, in case of damage).	Cum	-	-	2,807.42	200.00	5,61,484.00	2,807.42	5,61,484.00
7	Supplying of following diameters S&S RCC SPUN/VIBRATED CAST PIPES (REINFORCED) of NP-3 class conforming to IS 458-1988 with latest amendments using Ordinary Port Land Cement, conveying to work site ,rolling, lowering into trenches , laying true to line and level including loading and unloading at both destinations and joining of pipes and specials including cost of specials including perfect linking of joints with jack to correct position including cost of jointing materials ie., rubber rings confirming to IS: 5382 for S&S RCC pipes with all leads and lifts as directed as giving necessary hydraulic test as per ISS and testing & comissioning etc., complete (contractor will make his own arrangements for procuring water for testing) Before execution of the work, Contractor shall carry out the Survey & will be paid extraas per the Separate Item. RCC NP-3 Class pipe of 400mm dia	Rmt	-	-	615.80	2,800.00	17,24,240.00	615.80	17,24,240.00

8	Supplying of following diameters S&S RCC SPUN/VIBRATED CAST PIPES (REINFORCED) of NP-3 class conforming to IS 458-1988 with latest amendments using Ordinary Port Land Cement, conveying to work site ,rolling, lowering into trenches , laying true to line and level including loading and unloading at both destinations and joining of pipes and specials including cost of specials including perfect linking of joints with jack to correct position including cost of jointing materials ie., rubber rings confirming to IS: 5382 for S&S RCC pipes with all leads and lifts as directed as giving necessary hydraulic test as per ISS and testing & comissioning etc., complete (contractor will make his own arrangements for procuring water for testing) Before execution of the work, Contractor shall carry out the Survey & will be paid extraas per the Separate Item. RCC NP-3 Class pipe of 500mm dia	Rmt	-	-	560.80	3,500.00	19,62,800.00	560.80	19,62,800.00
9	Construction of RCC manhole chambers of 1:1.5:3 proportion or approved type pre-cast RCC manhole chambers, constructed using form vibrators of standard type, with barricading, danger lighting and using of sight rails and bonding rods wherever necessary, shoring and strutting wherever required using ordinary port land cement, using 1:1.5:3 proportion RCC with 20mm and downgraded jelly, well graded sand and steel of approved quality , 200mm thick top concrete slab, having wall thickness and raft thickness as in approved drawings with an offset in raft all-round the chamber as in approved drawings benching concrete with 1:6 slope towards the central drain finished smooth, including fixing and grouting of pipes, including conveying to work spot supply and fixing SFRC manhole cover and frame(Heavy Duty) conforming to IS 12592 with latest amendments, on a bed of CC 1:2:4 supplying and fixing of minimum 3mm thick encapsulated plastic footsteps (as per IS 10910) on 12mm dia. Grade Fe-415 steel bar (as per IS1786) staggered at 300mm apart as detailed in Technical specifications, including sand bedding wherever required, disposal of surplus earth, watering, curing, engraving manhole number with flow direction on the inner cylindrical surface etc., complete including cost of reinforcement steel and fabrication charges and also cost and conveyance of all materials, labour with	Nos	-	-	5.00	30,960.00	1,54,800.00	5.00	1,54,800.00
10	Construction of RCC manhole chambers of 1:1.5:3 proportion or approved type pre-cast RCC manhole chambers, constructed using form vibrators of standard type, with barricading, danger lighting and using of sight rails and bonding rods wherever necessary, shoring and strutting wherever required using ordinary port land cement, using 1:1.5:3 proportion RCC with 20mm and downgraded jelly, well graded sand and steel of approved quality , 200mm thick top concrete slab, having wall thickness and raft thickness as in approved drawings with an offset in raft all-round the chamber as in approved drawings benching concrete with 1:6 slope towards the central drain finished smooth, including fixing and grouting of pipes, including conveying to work spot supply and fixing SFRC manhole cover and frame(Heavy Duty) conforming to IS 12592 with latest amendments, on a bed of CC 1:2:4 supplying and fixing of minimum 3mm thick encapsulated plastic footsteps (as per IS 10910) on 12mm dia. Grade Fe-415 steel bar (as per IS1786) staggered at 300mm apart as detailed in Technical specifications, including sand bedding wherever required, disposal of surplus earth, watering, curing, engraving manhole number with flow direction on the inner cylindrical surface etc., complete including cost of reinforcement steel and fabrication charges and also cost and conveyance of all materials, labour with	Rmt	-	-	3.10	16,413.00	50,880.00	3.10	50,880.00
11	Construction of RCC manhole chambers of 1:1.5:3 proportion or approved type pre-cast RCC manhole chambers, constructed using form vibrators of standard type, with barricading, danger lighting and using of sight rails and bonding rods wherever necessary, shoring and strutting wherever required using ordinary port land cement, using 1:1.5:3 proportion RCC with 20mm and downgraded jelly, well graded sand and steel of approved quality , 200mm thick top concrete slab, having wall thickness and raft thickness as in approved drawings with an offset in raft all-round the chamber as in approved drawings benching concrete with 1:6 slope towards the central drain finished smooth, including fixing and grouting of pipes, including conveying to work spot supply and fixing SFRC manhole cover and frame(Heavy Duty) conforming to IS 12592 with latest amendments, on a bed of CC 1:2:4 supplying and fixing of minimum 3mm thick encapsulated plastic footsteps (as per IS 10910) on 12mm dia. Grade Fe-415 steel bar (as per IS1786) staggered at 300mm apart as detailed in Technical specifications, including sand bedding wherever required, disposal of surplus earth, watering, curing, engraving manhole number with flow direction on the inner cylindrical surface etc., complete including cost of reinforcement steel and fabrication charges and also cost and conveyance of all materials, labour with	Nos	-	-	8.00	47,373.00	3,78,984.00	8.00	3,78,984.00
12	Construction of RCC manhole chambers of 1:1.5:3 proportion or approved type pre-cast RCC manhole chambers, constructed using form vibrators of standard type, with barricading, danger lighting and using of sight rails and bonding rods wherever necessary, shoring and strutting wherever required using ordinary port land cement, using 1:1.5:3 proportion RCC with 20mm and downgraded jelly, well graded sand and steel of approved quality , 200mm thick top concrete slab, having wall thickness and raft thickness as in approved drawings with an offset in raft all-round the chamber as in approved drawings benching concrete with 1:6 slope towards the central drain finished smooth, including fixing and grouting of pipes, including conveying to work spot supply and fixing SFRC manhole cover and frame(Heavy Duty) conforming to IS 12592 with latest amendments, on a bed of CC 1:2:4 supplying and fixing of minimum 3mm thick encapsulated plastic footsteps (as per IS 10910) on 12mm dia. Grade Fe-415 steel bar (as per IS1786) staggered at 300mm apart as detailed in Technical specifications, including sand bedding wherever required, disposal of surplus earth, watering, curing, engraving manhole number with flow direction on the inner cylindrical surface etc., complete including cost of reinforcement steel and fabrication charges and also cost and conveyance of all materials, labour with	Rmt	-	-	7.60	16,515.00	1,25,514.00	7.60	1,25,514.00

13	Construction of RCC manhole chambers of 1:1.5:3 proportion or approved type pre-cast RCC manhole chambers, constructed using form vibrators of standard type, with barricading, danger lighting and using of sight rails and bonding rods wherever necessary, shoring and strutting wherever required using ordinary port land cement, using 1:1.5:3 proportion RCC with 20mm and downgraded jelly, well graded sand and steel of approved quality , 200mm thick top concrete slab, having wall thickness and raft thickness as in approved drawings with an offset in raft all-round the chamber as in approved drawings benching concrete with 1:6 slope towards the central drain finished smooth, including fixing and grouting of pipes, including conveying to work spot supply and fixing SFRC manhole cover and frame(Heavy Duty) conforming to IS 12592 with latest amendments, on a bed of CC 1:2:4 supplying and fixing of minimum 3mm thick encapsulated plastic footsteps (as per IS 10910) on 12mm dia. Grade Fe-415 steel bar (as per IS1786) staggered at 300mm apart as detailed in Technical specifications, including sand bedding wherever required, disposal of surplus earth, watering, curing, engraving manhole number with flow direction on the inner cylindrical surface etc., complete including cost of reinforcement steel and fabrication charges and also cost and conveyance of all materials, labour with all lead and lifts for various diameters and depths noted below :As per specification, drawing and as directed by the Engineer - 15.1. 1.2m Diameter manholes 3.0m depth	Nos	-	-	7	63,888.00	4,47,216.00	7	4,47,216.00
14	Conducting the level and strip of SURVEY of alignment of Main sewers of required diameter including all data required for generating GIS map of sewer network, preparation and submission of plan and LS with ground level at 30 M intervals and junction points along the centre line of the alignment etc. showing the right of way, any permanent features, culverts, branch sewer pipe etc. complete as per specifications and as directed by the Engineer in charge with all lead and lifts etc. complete for:: as per the direction of the Engineer incharge of the work with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work	Rmt	-	-	1,209.70	28.00	33,872.00	1,209.70	33,872.00
15	HC Water pumpset (3500 Ltr/Hr) as per the direction of the Engineer incharge of the work with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work	Day	-	-	135.00	775.00	1,04,625.00	135.00	1,04,625.00
16	Excavation for ramming / jacking pits and receiving pit. The work includes cutting of asphalted/ concrete surface, excavation in all types of soil and strata, dewatering, disposal of debris, refiling the trenches with consolidation, restoration of road surface to normal surface by concreting/asphalting etc., complete - Size up to 5 mts X 3 mts - depth up to 4 mts) as per the direction of the Engineer incharge of the work with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work	Nos	-	-	1.00	1,63,930.00	1,63,930.00	1.00	1,63,930.00
17	Installation of product pipe by manual jacking method -Manufacturing, providing, transporting, rolling, lowering, laying& jointing, testing, commissioning of ERW (Electric ResistanceWelded), SAW (Submerged Arc Welded) MS pipe (Fe-410 grade)conforming to IS 3589-2001 with latest amendments includingperfect linking welding of joints to correct position including costand conveyance of pipes and materials with all lea., lift, cost of labour, loading and unloading of pipes for the following diameters with specified thickness of plate as noted below including bailing out of water wherever necessary for laying of MS carrier pipe of suitable dia including inside and outside of casing pipe painted with two coats of Anti corrossive tankmastic paint. Installation of steel pipe by Ramming / Jacking method to cross Railway track / NH /BDA /BBMP/Other roads/Existing utilities / NALA crossings, filling the gap between casing pipe and carrier pipe with quarry grit using compressor with all necessary equipments, plants etc, complete. Suitable spacers 0f HDP/MS or other similar material should be provided in between carrier & casing pipe to prevent carrier pipe forming metallic contact with casing pipe. The rates are inclusive of all taxes and duties.Note : a. The cost of jacking is inclusive of cost M.S. casing pipe of specified thickness b. The cost of carrying pipe is separate and provision shall be made as per site requirement c. The cost of Jacking includes all leads lifts, cost of consumables, fuel charges, labour and Taxes and duties. d. The cost of jacking and receiving pits shall be proposed separately . as per the direction of the Engineer incharge of the work with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work	Rmt	-	-	30.00	40,000.00	12,00,000.00	30.00	12,00,000.00
18	KSRB 2.8 : Providing and filling in foundation with granite / trap broken metal 100 mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. specification No. KBS. Bedding for pipeline per the direction of the Engineer Incharge of the work with all lead and lift. Loading and umloading and allother incidental charges etc..complete as per specifications and direction of the Engineer-in-charge of the work	Cum	-	-	202.90	50.00	10,145.00	202.90	10,145.00

2,95,530.00

19	Disposal off the excess exacated earth of all types vechile including loading,unloading with all lead and lifts,labour,HOM of machinaries etc.. For. Distance of 5 KM as per the direction of the enginner incharge of the work with all lead and lift,loading and unloading and all other incidental charges etc complete as per specifiaction and direction of the engineer in charge of the work.	Cum	-	-	1,182.12	250.00	2,95,530.00	1,182.12	2,95,530.00
20	Providing and laying in position reinforced cement concrete of design mix M20 with OPC Cement @320kgs with 20mm down size graded granite coarse aggregates @0.69 cum and fine aggregates@0.460 cum.withsuper plasticsres @ 3 liters conforming to IS9103-1999 Reaffirmed-2008,machine mixed.concrete laid in layers not exceeding 15 cms thick,vibrated for all works in foundation for footings ,pedastales,retaining walls(any thickness)including attached plasters,columns,piers,abutments,pillars,posts,struts,buttresses,bed blocks,plinths etc..includi ng cost of all materials,labour,HOM Machinery,curing,complete.	Cum	-	-	96.08	5,998.54	5,76,340.00	96.08	5,76,340.00
21	Providing and Removing centring,shuttering,propping etc.. For columns pillars,post and str pillars,post, and structs,square/rectangular/polygon/in plan including cost of all materilas,labour complete as per specifications.Specification No KBS 4.6.2	Sqm	-	-	252.00	483.36	1,21,807.00	252.00	1,21,807.00
22	Providing T.M.T steel reinforcement for R.C.C work including straighting,cutting,bending,hooking,placing in position,lapping and/or welding wherever required,tying with binding wire and anchoring to the adjoining membere wherever necessary complete as per design(laps,hooks and wasteage shall not be measured and paid)cost of material,labour,HOM Machinery complete as per specification.as per direction of the engineer incharge of the work with all lead and lift,loading and unloading all other incidential charges etc..complete as per specification and direction of the engineer-in-charge of the work.	Mt	-	-	2.00	75,223.96	1,50,448.00	2.00	1,50,448.00
23	Diversion of water course by providing Coffer dams or bunds or island as may be necessary for piers and abutments foundations, bailing out or pumping water during excavation and until completion etc., complete. As per the direction of the Enginner incharge of the work with all lead and lift. loading and unloading and all othet incidental charges etc..complete as per specificatoin and direction of the in charge of the work	Rmt	-	-	200.00	50.00	10,000.00	200.00	10,000.00
	Grand Total			-			94,70,710.69		94,70,710.69
	Amount In RS	Ninety four thousand seventy thousand seven hundred ten and paise sixty nine only							

CERTIFICATE

1. Certified that the contractor has work done satisfactory .
2. The contractor has removed the debries from work site.
3. There is no any depart. Materials issued to contractor.

Consultant

Asistant Engineer

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Asistant Executive Engineer

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

Executive Engineer